BSC. PART - II EXAMINATION - 2017

BOTANY HONOURS PAPER IV

Answer five questions attempting two from each Group in which

O. No. 1 is compulsory

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1.	Select the correct answer for each of the following:
•••	and the state of t
	(i) Mesophiles (ii) Psychrophiles (iii) Thermophiles (iv) Hydrophiles
	45-10 a service con ha cultural An *
	(i) Natural medium only (ii) Synthetic medium only
	(iii) Living medium only (iv) All of the above
	(c)PPLO is also known as:
	(i) Bacteria (ii) Mycoplasma (iii) Fungi (iv) Viruses
	(d)Capsid of virus is made up of:
	(i) Protein (ii) DNA (iii) RNA (iv) Lipid
	13 : the angular following is having symbolotic association?
	(i) Azotobacter (ii) Rhizobium (iii) Nitrobacter (iv) All of the above
	(1) 712010000111
	(f) Ustilago is known to cause: (i) Rust (ii) Smut (iii) Red rot (iv) Ergot
	(1) Kasi
	(g) Burgandy mixutre is a: (i) Fungicide (ii) Pesticide (iii) Herbicide (iv) Insecticide
	(i) Fungicide (ii) Pesticide (iii) Herbicide (iv) Inscention (
	(ii) lasmid (ii) vector (iii)
	(i) "Griffith effect" is also known as: (i) Conjugation (ii) Transduction (iii) Transformation (iv) All of these
	(i) Conjugation (ii) Transduction (iii) Transferring (iii)
	(i) Hot water treatment of infected seeds is effective in : (i) Smut disease (ii) Late blight (iii) Red rot (iv) Ergot
	(i) Smut disease (ii) Late blight (iii) Red rot (iv) Ergot (k) Wide spread and destructive development of a plant disease in large
	(k)Wide spread and destructive development of a prime and
	populations is called: (i) Eniphytotic (ii) Endermic (iii) Sporadic (iv) Pandemic
	TO DESCRIPTION OF THE PROCESSING CONTRACTOR
	(1) A visible expression of disease in the host plant is known as
	(P) H the blanks
	(m) is a heteroccious rust. (Fill up the blanks)
	(n)Clariceps purpurea is known to causes disease. (Fill up the blanks)
	(O) VII USCS that attack observed and control
	GROUP-A
2.	Describe any two methods of DNA transfer in bacteria.
3.	What are the basic principles of micrometry? How will you determine the growth
	of bacteria?
4.	Write notes on any two of the following:
	(a) Meconlasma (b) TMV (c) Antibiotics (d) Biopesticides
٠5.	Give an account of the role of microbes in biological nitrogen fixation.
	GROUP - B
6.	Discuss about the defence mechanisms of the plants against pathogen attack.
7.	Give symptoms, etiology and control of late blight of potato.
8.	Write notes on any two of the following.

- 6.
- 7.
- rite notes on any two of the following:

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- (a) Citrus canker (b) Red rot of sugarcane (c) Disease cycle
- 9. Write notes on any two of the following:
 - (a) Transgenie plants (b) Chemical control of plant disease (c) Obligate parasites
 - (d) Contributions of Dr. K.C. Mehta